



FRLD-808-480W-Stack

High Power Laser Diode Stack

Features: AuSn Solder for Packaging
 High Conversion Efficiency
 High Peak Power
 High Reliability

Applications: Illumination
 Pumping
 Scientific Research

Specifications	Unit	Min	Typ	Max
Optical Data				
Center Wavelength λ	nm	798	808	818
CW Output Power / Bar	W	-	120	-
Number of Bars		-	4	-
Space between Bars	mm	-	1.65	-
Spectral Width (FWHM)	nm	-	-	5
Fast Axis Divergence Angle		-	40°	-
Slow Axis Divergence Angle		-	10°	-
Temperature Drift of λ	nm/°C	-	~0.3	-
Electrical Data (Bar)				
Threshold Current	mA	-	-	15
Operation Current	mA	-	-	130
Slope Efficiency	W/A	1.1	-	-
Conversion Efficiency	%	50	-	-
Operation Voltage	V	-	-	2
Pulse Width	μ s	-	-	3000
Repetition Rate	Hz	-	-	100
Duty Cycle	%			2

Temperature Conditions				
Operation Temperature	°C	20	-	35
Storage Temperature	°C	0	-	55

Mechanical Drawings (in mm)

